

Self-Propelled Equipment

At the time of the original permit request for selfpropelled equipment, whether annual (blanket) or single trip, the schematics must be submitted indicating axle spacings, axle weights, gross weight and length of front and/or rear overhang prior to the issuance of a permit.

Explanation of symbols used in the following chart:

< - less than

> - greater than

OFF HIGHWAY USE SELF-PROPELLED EQUIPMENT

designed specifically for off highway use and has low pressure/floatation tires

Extreme	Maximum
Wheelbase	Allowable
<u>Measurement</u>	Weight

SINGLE 37,000 gross TANDEM AXLE 50,000 gross

TWO (2) AXLE VEHICLE

<10' 65,000 gross 10'> 70,000 gross

THREE (3) AXLE VEHICLE

single/tandem <16' 75,000 gross 16'> 80,000 gross

single/single engineering study

TRAVEL RESTRICTIONS:

- 2 escorts required
- time of travel 9:00 am 2:30 pm
- total route of travel –maximum 15 miles

SELF-PROPELLED EQUIPMENT

Extreme	Maximum
Wheelbase	Allowable
Measurement	Weight

TWO (2) AXLE VEHICLE 50,000 gross single/single 8'> 25,000 single

THREE (3) AXLE VEHICLE 70,000 gross single/tandem 15'> 25,000 single

50,000 tandem

FOUR (4) AXLE VEHICLE

quad grouping (less >18' 78,000 gross than 8' between any 20,000 per axle two consecutive axles)

tandem/tandem >16' <22' 78,000 gross

50,000 tandem 22'> 90,000 gross 50,000 tandem

FIVE (5) AXLE VEHICLE

tandem/tri >24' <28' 86,000 gross

37,500 tandem 60,000 tri

28'> 94,500 gross

37,500 gross

60,000 tri

tandem/tandem/single 31'> 94,500 gross

50,000 tandem

15,000 single

SIX (6) AXLE VEHICLE

tri/tri >29° <34' 100,000 gross

60,000 tri

34'> 108,000 gross 60,000 tri

tandem/tandem/tandem

<39° >37' 100,000 gross

50,000 tandem with no two consecutive sets of tandems to exceed 90,000 lbs.

39'> 108,000 gross 50,000 tandem with no two consecutive sets of tandems to exceed 90,000 lbs.

single/single/tandem/tandem

engineering study

single/five axle grouping

engineering study

tandem/quad axle grouping

engineering study

SEVEN (7) OR MORE AXLE VEHICLE

For all seven (7) or more axle configurations the maximum gross weight is determined after an analysis of the weight distribution and axle configuration. Based on the configuration and engineering analysis, the configuration may be allowed a maximum gross weight up to 132,000 lbs.

ALL VARIATIONS OF AXLE CONFIGURATIONS OTHER THAN THOSE LISTED PREVIOUSLY WOULD REQUIRE INDIVIDUAL REVIEW

CONTINUOUS TRAVEL FOR SELF-PROPELLED TRUCK CRANES

North Carolina law provides for a "legal overhang of 3 feet front overhang".

CONTINUOUS TRAVEL (24 hours a day/7 days a week/365 days a year) is authorized if the equipment meets the following criteria:

- Gross vehicle weight does not exceed 112,000 lbs.
- Does not exceed a width of 8' 6".
- Does not exceed a height of 13' 6".
- Overhang both front and rear does not exceed a total combination of 10 feet in length, and
- All overhang is marked with the safety warning tape and equipment described below:
 - 1. High intensity glass bead retro-reflective sheeting (tape) measuring 2" x 12" to be displayed on
 - (A) extreme extension of both sides and on front/rear extension of overhang: and (B) on each side of crane 24" from road surface at nearest feasible center point between steer and drive axles.
 - 2. Rear Lights in working order to be displayed on any rear overhang during travel as follows:
 - (A) Temporarily mounted brake light, and
 - (B) Flashing amber light (8" in diameter) minimum 800 watt candle power.



Self-Propelled Schematic Worksheet

Check the appropriate box:		
Self-propelled truck cran	e	
Self-propelled drill rig		
Rough terrain crane (floa	tation/low pressure tires)	
Scraper (floatation/low p	ressure tires)	
Other		
Serial Number: _		_
Average speed _	mph	
Overall Width	ft.	_ inches
Overall Length	ft	_ inches
Front Overhang	ft.	_ inches
Rear Overhang	ft	_ inches
Total Number of	Axles:	
Example:		
4' 4" +12' 03" + 4' 4"	Single axle - (hub to hu	b) axle measurement more than 96 inches (8 ft.)
4' 4"	between a hand 96 inc	b) axle measurement is between 40 inches (3' 4")
Enter diagram of equipm	ent below:	
Company Name		
Company Name		
Contact Person	(Area Code)	Celephone Number
Fax to: (919) 733-7828		
If you have questions concerning	this form please contests	
If you have questions concerning North Carolina Department of Ta	· =	

If y Oversize/Overweight Permit Unit 1-888-574-6683 or (919) 733-7154 PF-3



North Carolina Department of Transportation Oversize/Overweight Permit Unit 1425 Rock Quarry Road, Suite 109 Raleigh, NC 27610

GENERAL USE SINGLE TRIP PERMIT FOR NON-DIVISBLE QUALIFYING LOADS

Fee: \$12-width \$12-length \$12-height \$12-weight

(Mobile/Manufactured Home Permit Applications are required to use special form PF-22) Telephone: 1-888-LRG-MOVE (574-6683)

Fax: (919) 733-7828

T	O RECEIVE BY:
	Permit Wire Service
	NAME OF PERMIT WIRE SERVICE
] Credit Card
	(\$10.00 Authorization/Transmittal Fee)
	(CREDIT CARD NUMBER)
	(EXPIRATION DATE)
	Direct Fax
_	DIRECT FAX ACCOUNT NUMBER
L	Pickup
	☐ Cash ☐ Check #
	elf-Propelled atics required)
	☐ FAX ☐ EMAIL

Effective Date					_	
					_	AX ACCOUNT NUMBER
Refer to Permit No					∐Pickup	_
	(For quick reference)	_			∟Cash ∟	Check #
☐ Tractor/Trailer	Truck/Trailer	Truck	☐ Hauling	Towing	Self-Propel (schematics required	
Applicant	REGISTERED OWNER / I	LESSEE		DELIVER 1	BY: FAX	☐ EMAIL
Address				Fax # (
				Email		
CITY	ST	ATE	ZIP			
Gross Weight	Register	ed License W	⁷ t	Total	No. Axles of Com	bination
Extreme Wheelbase	Measurement (Hub to	Hub) of Veh	icle/Vehicle Co	mbination	ft	inches
Overall: Width	_ Length Heig	ght Fro	ont Overhang _	ft. Rear O	verhangft.	Trailer Length ft
Trailer Design:	Flat Bed Single	Drop 🗌 I	Double Drop	☐ Stretch	Other	Specific Design)
Commodity Ha	nuled Towed on Equipment, specific type/	design is required	l. Provide length of	f niece if transporti		Specific Design)
If commodity is being	g hauled, how is it loader Flat Rack Sh	ded:	_		_	
If hauling multiple pi	eces, how are they loa	nded: Stac	cked Sid	e by Side	In Line	(Specific Description)
Origin			Destination	l		·····
	(Exact Location/Address/Jct.)			(Exact Location/Adda	ress/Jct.)
Requested route(s)	of travel	/TD :		P IN I NO I	US and Interstate Routes)	
		(1011	icitide specific County	Koau Numbers, NC, C	s and interstate Routes)	
License No. of truck	/tractor/special mobile	equipment_			_ State	
Serial/VIN number (last 5 digits) of truck/	tractor/special	l mobile equipr	nent	USDOT	#
Requested by		,	Talanhona ()	Det	Δ

North Carolina Department of Transportation

Division of Highways Oversize/Overweight Permit Unit



Credit (1-888-221- (919) 733-4				NO SE
(\$5.00	Authorization Fee		,			STHENT OF	A STATE OF THE STA
CREDIT CA	ARD NUMBER		AL NON-DIVISII ICATION FOR A \$100 Per Vo	NNUAL P		OF.	TRACE
EXPIRATIO	ON DATE						
Tracto	or/Trailer [Truck/Trailer	☐ Truck ☐	Hauling	☐ Towing	Self-Pro	_
Applicant	t			Telepho	ne () _		
(Registere	ed Owner/Less	see as it appears or	n truck registration	card)	Area Code		
Address_							
	(Street)		(City)		(State)	(\mathbf{Z}_{i})	ip)
Gross We	eight	Registered Lic	ense Weight	Tota	l No. Axles of	Vehicle Combi	nation
Extreme A	Axle Measure	ment (front hub to r	rear hub) of Vehicle/V			Ft ng for an overweigl	
requesting	_	ht in excess of 90,0	on form PF-2A or at 100 lbs. for a tractor		-	_	
Description	on of Load						
Overall:	Width		Length		Height		
		Legal 8'6"			Ma	aximum 13'6"	
Front Ove	erhang	6.				_	
	8	ft. Re	ar Overhang	ft.	Trailer Le	ngth	ft.
	_		ar Overhangequipment(Submit Copy o			_	
License N Serial/VII If more that	No. of truck/trac	etor/special mobile of 5 digits) of truck/tra list serial/VIN num	equipment	of Current Regi	stration Card)	State	
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☐ Cash

____ Check # _____

(2) Copy of current vehicle registration(3) Payment. (Payable to NCDOT) PERSONAL CHECKS WILL NOT BE ACCEPTED Raleigh, North Carolina 27610 Fax # (919) 715-5616